

KOROLEV, V. ^FИ.

25139 KOROLEV, V.E. Mekhanizatsiya Dorov. Sots Zhivotnovodstvo, 1949
No. 3, C. 78-85

SO: Letopis' No. 33, 1949

KOROLEV, V. F.

Milking cows by machine. Moskva, Gos. izd-vo sel'khoz lit-ry, 1953. 162 p. (54-17218)

SF247.K6

KOROLEV, V.F.

Mashinnoe doenie korov (Milking cows by machine). Izd. 2-e. Moskva, Sel'khozgiz, 1954. 190 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 5, August 1954

GOROLEV, V.F., kand.tekhn.nauk

Machine milking. Mekh. i elek.sots.sel'khoz. no.5:26-28 '56.
(MIRA 12:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii
sel'skogo khozyaystva.
(Milking machines)

BREMER, G.I., doktor tekhn.nauk, prof.; GARDIN, M.V., inzh.; DEMIN, A.V.,
kand.tekhn.nauk; ZYABLOV, V.A., kand.tekhn.nauk; KAPLUNOV, M.M.,
inzh.; KASHEKOV, L.Ya., inzh.; KOROLEV, V.F., kand.tekhn.nauk;
KRASNOV, V.S.; KULIK, M.Ye., kand.tekhn.nauk; MAKAROV, A.P., inzh.;
NOVIKOV, G.I., kand.tekhn.nauk; NOSKOV, B.G., inzh.; OLENEV, V.A.,
kand.vet.nauk; OSTANKOV, V.P., inzh.; PERCHIKHIN, A.V., inzh.;
POKHVALENSKIY, V.P., kand.tekhn.nauk; SERAFIMOVICH, L.P., kand.
tekhn.nauk; SMIRNOV, V.I., kand.tekhn.nauk; URVACHEV, P.N., kand.
tekhn.nauk; FADEYEV, N.N., inzh.; FATEYEV, Ye.M.; KRYUKOV, V.L.,
red.; VESKOVA, Ye.I., tekhn.red.

[Reference book on the mechanization of stock farming] Spravochnaya
kniga po mekhanizatsii shivotnovodstva. Moskva, Gos.izd-vo sel'khoz.
lit-ry, 1957. 678 p. (MIRA 10:12)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh
nauk im. V.I.Lenina (for Krasnov, Fateyev).
(Farm equipment) (Stock and stockbreeding)

KOROLEV, V.F.

ANDRIANOV, V.N., doktor tekhn.nauk; BERSENEV, Ye.Ye., inzh.; BYSTRITSKIY, D.N., kand.tekhn.nauk; GRIBENNIKOV, A.F., kand.tekhn.nauk; GRETISOV, N.A., kand.tekhn.nauk; ZUYEV, V.A., kand.tekhn.nauk; KLIMOV, A.A., kand.tekhn.nauk; KOROLEV, V.F., kand.tekhn.nauk; KUDRYAVTSEV, I.F., kand.tekhn.nauk; KOLIK, M.Ye., kand.tekhn.nauk; NAZAROV, G.I., kand.tekhn.nauk; OLFINIK, N.P., inzh.; OSETRIOV, P.A., kand.tekhn.nauk; PODSOSOV, A.N., inzh.; POPOV, S.T., inzh.; PRISHCHEP, L.G., kand.tekhn.nauk; PCHELKIN, Yu.N., inzh.; RUBTSOV, P.A., kand.tekhn.nauk; RUNOV, B.A., kand.tekhn.nauk; SAVINKOV, K.P., kand.tekhn.nauk; SAZONOV, N.A., prof., doktor tekhn.nauk; SERGEYEV, A.S., inzh.; SKVORTSOV, P.F., kand.tekhn.nauk; SMIRNOV, B.V., kand.tekhn.nauk; SMIRNOV, V.I., kand.tekhn.nauk; TYMINSKIY, Ye.V., inzh.; URVACHEV, P.N., kand.tekhn.nauk; SHTRURMAN, B.A., inzh.; SHCHUROV, S.V., kand.ekon.nauk; RUNOVA, L.H., inzh.; VOL'FOVSKAYA, D.N., red.; NIKITINA, V.M., red.; BALLOD, A.I., tekhn.red.

[Manual on the use of electric power in agriculture] Spravochnik po primeneniiu elektorenergii v sel'skom khoziaistve. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 606 p. (MIRA 11:5)
(Electricity in agriculture)

PERCHIKHIN, Abram Vladimirovich, inzh.; KRASNOV, V.S.; KASHEKOV, L.Ya..
inzh.; NOVIKOV, G.I., kand.tekhn.nauk; MAKAROV, A.P., inzh.;
GALDIN, M.V., inzh.; KOROLEV, V.F., kand.tekhn.nauk; FATEYEV,
Ye.M., doktor tekhn.nauk; FADYEV, N.N., inzh.; ROZIN, M.A..
red.; GURVICH, M.M., tekhn.red.

[Mechanization of heavy work on livestock farms] Mekhanizatsiya
trudozemnykh rabot na zhivotnovodcheskikh fermakh. Izd.4., ispr.
i dop. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 447 p.
(MIRA 13:10)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystven-
nykh nauk imeni V.I.Lenina (for Krasnov).
(Stock and stockbreeding) (Farm mechanization)

KOROLEV, V.F., kand.tekhn.nauk; FARAFONOVA, N.I., kand.tekhn.nauk

Principles for the parameters of milking machines. Nauch. trudy
VIESKH 4:88-112 '59. (MIRA 13:11)

(Milking machines)

BARANOV, A.I.; KUZ'MIN, V.V.; KOROLEV, V.F., inzh., retsenzent;
ANDREYEVSKIY, O.A., red.; POCHTAROVA, A.V., red.izd-va;
EL'KIND, V.D., tekhn. red.

[Standardization and normalization in the machinery industry]
Standartizatsiia i normalizatsiia v mashinostroenii. Izd.3.,
perer. i dop. Moskva, Mashgiz, 1963. 314 p. (MIRA 16:5)
(Machinery industry—Standards)

KOROLEV, V.F.

[Milking machines; theory, construction, and design]
Doil'nye mashiny; teoriia, konstruktsiia i raschet.
Moskva, Mashgis, 1962. 283 p. (MIRA 16:9)
(Milking machines)

KRASNOV, V.S.; KASHEKOV, L.Ya., kand. tekhn. nauk; NOVIKOV, G.I.,
kand. tekhn. nauk; MAKAROV, A.P., kand. tekhn. nauk;
GALDIN, M.V., inzh.; KOROLEV, V.F., kand. tekhn. nauk;
PERCHIKHIN, A.V., inzh.; FADEYEV, N.N., inzh.; ROZIN,
M.A., red.; DEYEVA, V.M., tekhn. red.

[Mechanization of production processes on livestock farms]
Mekhanizatsiia proizvodstvennykh protsessov na zhivotno-
vodcheskikh fermakh. Izd.5., ispr. i dop. Moskva, Sel'-
khozizdat, 1963. 478 p. (MIRA 17:2)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokho-
zyaystvennykh nauk imeni V.I. Lenina (for Krasnov).

KOROLEV, Vasilii Filippovich, kum. tekhn. nauk; ISMIV, V.A.,
red.

[Automatic machines on a dairy farm; new milking machines]
Avtomaty na molochnoi ferme; novye doil'nye mashiny. Mo-
skva, Izd-vo "Znanie," 1965. 46 p. (Novoe v zhizni, nauke,
tekhnike. V Seriya: Sel'skoe khoziaistvo, no.2)
(MIRA 18:1)

1ST AND 2ND DEGREE		PROCESSES AND PROPERTIES INDEX	
CA		<p>Decreasing the hygroscopicity and producing free-flowing, noncaking common salt. V. F. Korolev. <i>Bull. Tsarsk. Nauch.-Issledovat. Solonoi Lab.</i> 1936. No. 4, 74-83; <i>Khim. Referat. Zhur.</i> 1940. No. 8, 87. —The caking of salt is caused by its hygroscopicity. The changing humidity of the air causes an alternating deliquescing and drying of the surface soln., leading to growing free-flowing of crystals, caking and loss of the free-flowing properties. The stability of salt is expressed by $H = P \times 100/P'$, where P = vapor pressure of the satd. soln., P' = vapor pressure of water at the same temp., H = the critical relative humidity, 78.2% at 20°. NaCl is stable at relative humidities less than 78%. The hygroscopicity depends also on the concn. of the crystals. The presence of even small amts. of sol. salts affects the stability of the salt. To produce free-flowing salt, it is necessary to add either substances which form anhydrous, insol. compds. with the impurities, or insol. substances which cover the surface of the crystals and which prevent the access of moisture. The most effective substance is CaCO_3, which is added in the form of milk of lime, with a subsequent carbonation. Other substances which can be added are a mixt. of $\text{Ca}(\text{PO}_3)_2$ and Na_2HPO_4, which forms the insol. MgHPO_4 and CaHPO_4, with the MgCl_2 and CaCl_2 impurities. These insol. substances bind the water and cover the salt crystals with a film of the insol. $\text{Ca}(\text{PO}_3)_2$.</p> <p style="text-align: right;">W. R. Henn</p>	
<p>1ST AND 2ND DEGREE</p> <p>1ST AND 2ND DEGREE</p>		<p>1ST AND 2ND DEGREE</p> <p>1ST AND 2ND DEGREE</p>	

COMMON ELEMENTS		COMMON VARIABLE ELEMENTS	
MATERIALS INDEX		MATERIALS INDEX	
<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> <p style="font-size: 2em; font-weight: bold;">C</p> </div> <div style="width: 60%;"> <p style="text-align: center;">PROCESS AND PROPERTIES INDEX</p> <p>The procedure and conditions for the formation of sodium chloride dihydrate. V. P. Korolev. <i>Bull. Tsentral. Nauch.-Issledovatel. Salpanol Lab.</i> 1939, No. 7, 86-78; <i>Khim. Referat. Zhur.</i> 1940, No. 8, 84-5.—Crystn. of $\text{NaCl} \cdot 2\text{H}_2\text{O}$ (I) from satd. NaCl soln. takes place between 0.15°, m. p. of the dihydrate, and -21.2°, m.p. of the cryohydrate. The presence of other salts, especially of MgCl_2, lowers the crystn. temp. Crystn. of I, as well as of $\text{Na}_2\text{SO}_4 \cdot 10\text{H}_2\text{O}$ and NaCl, is observed from sea water concd. to over 9 times its original value. The sp. gr. of I is 1.61 and its vapor pressure 3.48 and 0.70 mm. of Hg at 0.15° and -21.2°, resp. The vapor-pressure curve of I shows a slight decrease between 0.15° and -21.2°, as compared with the satd. soln. of NaCl. The formation of I causes considerable caking of the salt, because at low temps. the water in the salt in the form of a satd. soln. mps. crystals of I, which cement the crystals. Repeated changes in the temp. cause repeated crystals. of the salt, increasing its caking. The cryohydrate formed at temps. below -21.2° consists of 36% of I (d. 1.61) and 64% ice (d. 0.92). With this difference in the sp. gr., it is possible to enrich, or even to sep., crystals of I from ice, to increase the yield of NaCl. W. R. Henn</p> </div> <div style="width: 20%; text-align: right;"> <p style="font-size: 2em;">18</p> </div> </div>			
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>			
FROM SYMBOLS		EIGHT SYMBOLS	
<p>100000 000000</p> <p>100000 000000</p>		<p>100000 000000</p> <p>100000 000000</p>	

1ST AND 2ND ORDERS		PROCESS AND PROPERTIES INDEX	
<p><i>CH</i></p> <p>Production of free-flowing common salt by addition of calcium carbonate. V. F. Korolev. Byull. Tsentral. Nauch.-Issledovatel. Sol'vani 128: 1939, No. 7, 79-80; Khim. Referat. Zhur. 1940, No. 8, 80.—Finely powd. CaCO₃ was added directly to vacuum salt 50-70 mesh and uncrushed. The salt contained H₂O 0.4-0.6% and added CaCO₃ 1-3%. The salt was dried in a rotary drier at 110° for 1-2 hrs. The heat was supplied by a Nichrome resistor. Addn. of CaCO₃ to the salt in the form of dispersed Ca(OH)₂, with a subsequent carbonation, is not recommended, because CaCO₃ is washed out during centrifuging.</p> <p style="text-align: right;">W. R. Henn</p>	<p><i>18</i></p>	<p>ASM-A1A METALLURGICAL LITERATURE CLASSIFICATION</p>	
		<p>RESEARCH DIVISION</p>	

IL'INSKIY, V.P.; KOROLEV, V.F.; AKHUMOV, Ye.I.

Sodium chloride dihydrate. J.appl.Chem. USSR '52, 25, 507-515.
(BA-AI Je '53:511) (MIRA 5:5)

KOROLEV, V. F.

The dihydrate of sodium chloride. V. F. Ilinski, V. F. Korolev, and B. I. Akumov. *J. Appl. Chem. U.S.S.R.* 25, 507-77 (1952) (Engl. translation); *Zhur. Priklad. Khim.* 25, 507-15 (1952).—The properties of the dihydrate of NaCl formed in nature are discussed, and the production of pure NaCl by means of the dihydrate is investigated. In the temp. interval 0.15 to -21.2° , the stable phase in the system NaCl-H₂O is the dihydrate. The stability of the solid dihydrate is detd. by the relative humidity of the surrounding air. In natural conditions in chloride lakes having a small content of SO₄ ions in the brine (value of Jaenecke's index for SO₄ is 0.8-3.0), the total salt content frequently exceeds 23.0-24.5%. Consequently with a lowering of temp. in winter it is possible for the dihydrate to crystallize from the brine. Pure NaCl is obtained by means of the dihydrate by cooling a satd. soln. to give max. crystn. of the dihydrate, which is then sepd. from the mother liquor. At a temp. above 0.15° , the sepd. dihydrate breaks up with formation of anhyd. NaCl and a satd. soln. of it. Solns. contg. less than 23.25% NaCl do not sep. the dihydrate on cooling. Calcs. show that by cooling to -21.2° , one metric ton of soln. satd. with NaCl at 25° will sep. 83.0 kg. of the dihydrate, contg. 51.3 kg. NaCl. Also, the quantity and yield of NaCl which is formed on melting of the dihydrate is practically const. within the temp. limits of $0.15-25^{\circ}$. One metric ton of the dihydrate, melting at 25° , yields 481.5 kg. of anhyd. NaCl for a 77.82% yield.
Herbert Lebeskind

KHADZHAY, Ya.I.; KOROLEV, V.F.

Pharmacology of quercetin. Farm. i toks. 25 no.1:71-77 Ja-z '62.
(MIRA 15:4)

1. Laboratoriyu farmakologii Khar'kovskogo nauchno-issledovatel'skogo
khimiko-farmatsevticheskogo instituta.
(QUERCETIN)

KOROLEV, V.G.; KONSTANTINOV, V.V., redaktor, KOGAN, F.L. tekhnicheskii
~~redaktor~~

[Manual for an automobile dispatcher] Posobie dispetcheru avto-
khoziaistva. Moskva, Nauchno-tekhn. izd-vo avtotransportnoi lit-
ry, 1954. 102 p. (MLRA 8:6)
(Radio--Transmitters and transmission)

GLADCHENKO, A.Ya.; KOROLEV, V.G., otv. red.; MANOKHIN, P.G., red.
izd-va; USPANOV, Zh.Ye., tekhn. red.

[Brachiopods and stratigraphy of the Lower Carboniferous in
the region of Lake Son-Kul' of Kirghizia] Brakhiopody i stra-
tigrافيa nishnego karbona Prisonskul'skogo raiona Kirgizii.
Frunze, Akad. nauk Kirgizskoi SSR, 1960. 211 p.

(MIRA 15:9)

(Son-Kul' Lake region—Brachiopa, Fossil)
(Son-Kul' Lake region—Geology, Stratigraphic)

KHIVOLUTSKAYA, V.N.; KOROLEV, V.G.

Cambrian volcanogenous sedimentary layer in the Terskey Ala-Tau,
Izv.AN Kir.SSR. Ser.est.1 tekhnauk 2 no.6:5-27 :60. (MIRA 15:5)
(Terskey Ala-Tau--Geology, Stratigraphic)

DZHOLDOSHEV, B.; KOROLEV, V.G.

Geology of the Dzhetym series in the Dzhetym-Tau. Izv.AN Kir.
SSR. Ser.est. 1 tekhnauk 2 no.6:29-46 :60. (MIRA 15:5)
(Dzhetym-Tau--Geology, Stratigraphic)

DZHUMALIYEV, T.; KOROLEV, V.G.; KRIVOLUTSKAYA, V.N.; RYABOKON', S.A.

Carboniferous sediments in the upper Malyy Naryn Valley. Mat po
geol. Tian'-Shania no.1:77-102 '61. (MIRA 17:2)

BAKIROV, A.; KISELEV, V.V.; KOROL'N, V.G.

New data on the Paleozoic stratigraphy of the eastern parts of the Ulan Range and the Naryn-Tau. Mat po geol. Tian'-Shania no. 1:23-41 '61.

Geology and age of the "Ulan intrusive massif." Ibid.:123-138
(MIRA 17:2)

KISELEV, V.V.; KOROLEV, V.G.; KRIVOLUTSKAYA, V.N.

Pre-Cambrian and Caledonian igneous rocks in the western part
of the Dzhetymbel' Range. Mat po geol. Tian'-Shania no.1:103-
122 '61. (MIRA 17:2)

KOROLEV, V.G.; KRYLOV, I.N.

Stratigraphy of the Upper Pre-Cambrian of northern Tien Shan.

Dokl. AN SSSR. 144 no.6:1334-1336 Je '62.

(MIRA 15:6)

1. Institut geologii Akademii nauk Kirgizskoy SSR i Geologicheskoy
institut Akademii nauk SSSR. Predstavleno akad. A.L.Yanshinym.
(Tien Shan--Geology, Stratigraphic)

KOROLEV, V.G.; NOSYREV, I.V.; TUROVSKIY, S.D.

Paleozoic intrusive complexes in the northern Tien Shan. Mat.po
geol.Tian'-Shania no.2:5-19 '62. (MIRA 15:11)
(Tien Shan--Rocks, Igneous)

KOROLEV, V. G.

The scheme of the tectonic regionalization of Tien Shan and adjacent regions. Izv. Kir. fil. Geog. ob-va SSSR no.3:81-102 '62. (MIRA 15:10)

(Tien Shan region—Geology, Structural)

BOL'SHAKOV, M.N.; VYKHODTSEV, I.V., doktor biol. nauk; NIKITINA, Ye.V., kand. biol. nauk; ZABIROV, R.D., kand. geogr. nauk; ISAYEV, D.I., kand. geogr. nauk; KASHIRIN, F.T.; KOROLEV, V.G., kand. geol.-miner. nauk; LUNIN, B.A., kand. geogr. nauk; MAMYTOV, A.M., akademik; OTORBAYEV, K.O., kand. geogr. nauk; RYAZANTSEVA, Z.A., kand. geogr. nauk, st. nauchn. sotr.; UMURZAKOV, S.U.; YANUSHEVICH, A.I.; BLAGOGBRAZOV, V.A., red.; BEYSHENOV, A., tekhn. red.

[The nature of Kirghizistan; brief characteristic of its physical geography] Priroda Kirgizii; kratkaia fiziko-geograficheskaya kharakteristika. Frunze, Kirgizskoe gos. izd-vo, 1962. 296 p. (MIRA 16:7)

1. Geograficheskoye obshchestvo SSSR. Kirgizskiy filial.
2. Zaveduyushchiy Otdelom geografii AN Kirgizskoy SSR, predsedatel' Kirgizskogo filiala Geograficheskogo obshchestva SSSR (for Otorbayev).
3. Dekan geograficheskogo fakul'teta Kirgizskogo gosudarstvennogo universiteta (for Umurzakov).
4. Zamestitel' direktora instituta geologii AN Kirgizskoy SSR (for Korolev).
5. Rukovoditel' sektora geomorfologii Otdela geografii AN Kirgizskoy SSR (for Isayev).
6. Chlen-korrespondent, zaveduyushchiy sektorom Instituta geologii AN Kirgizskoy SSR (for Kashirin).

(Continued on next card)

BOL'SHAKOV, M.N.---(continued). Card 2.

7. Direktor Tyan-Shan'skoy vysokogornoy fiziko-geograficheskoy stantsii Otdela geografii AN Kirgizskoy SSR (for Zabirow).
8. Otdel geografii AN Kirgizskoy SSR (for Ryazantseva).
9. Chlen-korrespondent, direktor Instituta energetiki i vodnogo khozyaystva AN Kirgizskoy SSR (for Bol'shakov).
10. Zavedyushchiy Otdelom pochvovedeniya AN Kirgizskoy SSR (for Mamytov).
11. Chlen-korrespondent, vitseprezident AN Kirgizskoy SSR (for Yanushevich).
12. Zaveduyushchiy kafedroy fizicheskoy geografii Kirgizskogo gosudarstvennogo universiteta (for Lunin).

(Kirghizistan--Physical geography)

KOROLEV, V.G.

Pre-Paleozoic stratigraphy of the Tien Shan. Mat. po geol.
Tian'-Shania no.3:3-23 '62. (MIRA 16:7)

(Tien Shan—Geology, Stratigraphic)

KOROLEV, V.G.

Cambrian sediments of the Tien Shan. Mat. po geol. Tian'-Shania
no.3:35-48 '62. (MIRA 16:7)

(Tien Shan--Geology, Stratigraphic)

KOROLEV, V.G., otv. red.; ADYSHEV, M.M., akademik, glav. red.;
BAYBULATOV, E.B., red.; BURYKHYN, I.V., akademik, red.;
GRIGORENKO, P.G., red.; DAVLETOV, I.D., red.; KONYUK, A.A.,
red.; POPOV, V.M., akademik, red.; SURGAY, V.T., red.

[Materials on the geology of ore deposits in the Tien Shan]
Materialy po geologii rudnykh mestorozhdenii Tian-Shania.
Frunze, Izd-vo "Ilim," 1964. 140 p. (MIRA 17:8)

1. Akademiya nauk Kirgizskoy SSR, Frunze. Institut geologii.
2. Akademiya nauk Kirgizskoy SSR (for Adyshev, Popov).
3. Institut geologii AN Kirgizskoy SSR (for all).

ADYSHEV, M.M., akademik, glav. red.; KOROLEV, V.G., zam. glav.
red.; BAYEULATOV, E.B., red. BURYKHIN, I.V., red.;
GRIGORENKO, P.G., red.; DAVLETOV, I.D., red.; KONYUK,
A.A., red.; POPOV, V.M., akademik, red.; SURGAY, V.T.,
red.

[Tectonics of the western regions of the northern Tien
Shan] Tektonika zapadnykh raionov Severnogo Tian'-Shania.
Frunze, "Ilim," 1964. 143 p. (MIRA 17:8)

1. Akademiya nauk Kirgizskoy SSR Frunze. Institut geologii.
2. Akademiya nauk Kirgizskoy SSR (for Adyshev, Popov).

KISELEV, V.V.; KOROLEV, V.G.

New data on the Pre-Cambrian and Paleozoic stratigraphy in the western part of the Kirghiz Range. Mat. po geol. Tian'-Shania no.4:3-44 '64.

Faults and structural turns in the western part of the Kirghiz Range. Ibid.:147-152

(MIRA 17:10)

IL'IN, B.I.; KOROLEV, V.G. (Gor'kiy)

Treatment of hyperhidrosis of the feet with an ultrahigh
frequency electric field. Vop. kur., fizioter., i lech. fiz.
kul't. 29 no.2:172 Mr-Apr '64 (MIRA 18:2)

KOROLEV, Vasily Gavrilovich; SMIRNOV, O.S., redaktor; KOGAN, F.L.,
tekhnicheskiiy redaktor

[Automobile dispatcher's manual] Posobie dispetcheru avtomobil'nogo
khoziaistva. Izd. 2-oe, dop. i perer. Moskva, Nauchno-tekhn.
izd-vo avtotransp. lit-ry, 1957. 133 p. (MLRA 10:5)
(Transportation, Automotive)

KOROLEV, Vasiliiy Gavrilovich; SMIRNOV, O.S., red.; DONSKAYA, G.D.,
tekhn.red.

[Manual for the motor dispatcher] Posobie dispetcheru avto-
mobil'nogo khosiaistva. Izd.3-e, dop. i perer. Moskva,
Nauchno-tekhn.izd-vo M-va avtomobil'nogo transporta i shossei-
nykh dorog RSFSR, 1959. 190 p. (MIRA 12:9)
(Transportation, Automotive)

GTRSP L Vol. 5-No. 1 Jan. 1952

Kozlov, V.G. and Gladchenko, A.Ya. (Institute of Geology, Kirghiz Branch, U.S.S.R. Academy of Sciences), The discovery of Ordovician fauna in the so-called "silent deposits of the supposed Devon" in the Terskei Alatau Ridge (Tyan'-Shan'), 979-80

Akademiya Nauk, S.S.S.R., Doklady Vol. 78, No. 5 - 1951

KOROLEV, V.G.
GLADCHENKO, A.Ya.; KOROLEV, V.G., otvetstvennyy redaktor; SEREBRYAKOV,
V.I., tekhnicheskiy redaktor

[Field atlas for the principal brachiopods of the lower
Carboniferous of Northern Kirghizistan] Polevoi atlas
rukovodiashchikh brachiopod nizhnego karbonsa Severnoi Kirgizii.
Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1955. 30 p.
28 plates. (MLRA 10:4)
(Kirghizistan--Brachiopoda, Fossil)

ROZOVA, Ye.A.; KOROLEV, V.G.

Seismic characteristics of the city of Frunze region. Izv.AN Kir.SSR
no.2:45-60 '56. (Frunze--Earthquakes) (MIRA 9:9)

KOROLEV V. G.

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3,
pp 53-54 (USSR) 15-1957-3-2839

AUTHOR: Korolev, V. G.

TITLE: The Inherited Nature of Some Mesozoic-Cenozoic Basins
in Northern Tyan'-Shan' (Ob unasledovannom kharaktere
nekotorykh mezokaynozoykskikh vpadin Severnogo Tyan'-
Shanya)

PERIODICAL: Tr. in-ta geol. AN KirgSSR, 1956, Nr. 7, pp 87-94

ABSTRACT: The spatial and facies changes in the Carboniferous,
Mesozoic, and Cenozoic rocks, and also the relationships
among the deformations of these rocks, attest to the
fact that several basins in the northern Tyan'-Shan'
(Issyk Kul and others) existed as synclinal struc-
tural forms in the Lower Carboniferous and, by inheri-
tance, developed in the Mesozoic-Cenozoic with no essen-
tial rearrangement of the structural pattern. Accord-
ing to the author, this inheritance of development is

Card 1/2

15-1957-3-2839

The Inherited Nature of Some Mesozoic-Cenozoic Basins in Northern
Tian'-Shan'

also peculiar to structures of the second order--for example,
to anticlines and complex basins. From this point of view,
deformation in Mesozoic-Cenozoic time consisted of folds, and
only at the end of the Tertiary and the beginning of the Quater-
nary did movements occur which led to faulting.

Card 2/2

A..I. S.

FORGOTTEN, V.G.

Study of ancient strata of the northern Tien Shan. Trudy Inst.
geol. AN Kir. SSR no.8:27-38 '56. (MLRA 10:2)
(Tien Shan--Geology, Stratigraphic)

KOROLEV
Korolev, V.G., Cond. Geol.-in Sci---(Rus) ^{the} "Early stages of ^{the} Terek y-
Albanid ~~in~~ adjacent southern mountain ^{ranges} ~~stages~~." Moscow, 1957.
24 pp (Acad Sci. Kirgiz SSR. Inst of Geology), 120 copies (12, 25-58, 109)

-48-

KOROLEV, V.G.

Age of the "Archaly series" in the Dzhetyn-Tau (Tien Shan) and
stratigraphy of the lower Paleozoic in the Chatkal-Naryn area.
Trudy Inst. geol. AN Kir. SSR no.9:5-44 '57. (MIRA 11:4)
(Tien Shan--Geology, Stratigraphic)

KOROLEV, V.G., red.

[Excursion through northern Kirghizia; a guidebook] *Ekskursiia po Severnoi Kirgizii; putevoditel'*. Frunze, Akad. nauk Kirgizskoi SSR, 1958. 55 p. (MIRA 11:11)

1. *Vsesoyuznoye petrograficheskoye soveshchaniye*; 2nd. (Kirghizistan--Petrology)

KOROLEV, V. I.

MARUSOV, A.Ya., inzhener-podpolkovnik, glavnyy red.; KUDRYAVTSEV, M.K., general-leytenant tekhnicheskikh voyak, otvetstvennyy red.; DEMIN, L.A., inzhener-kontr-admiral, red.; SHCHERBAKOV, A.N., general-mayor, red.; NIKOLAYEV, A.S., polkovnik, red.; KOLOMIYETS, A.D., polkovnik, red.; NAZAROV, P.V., polkovnik, red.; PAROT'KIN, I.V., polkovnik, red.; PUDIKOV, M.P., polkovnik, red.; SISELIN, S.V., polkovnik, red.; BARANOV, M.Kh., inzhener-polkovnik, red.; KOMKOV, A.M., inzhener-polkovnik, red.; SHATUNOV, S.G., inzhener-polkovnik, red.; KOROLEV, V.I., polkovnik, tekhn. red.; LUK'YANOV, B.I., polkovnik, tekhn.red.; ROMANOV, M.K., podpolkovnik, tekhn.red.; IVANOV, V.V., inzhener-podpolkovnik, tekhn.red.; LYUBKOV, A.N., inzhener-podpolkovnik, tekhn.red.; KNYSH, P.N., podpolkovnik tekhnicheskoy sluzhby, tekhn.red.; VASMUT, A.S., kapitan, tekhn. red.; KOSTIN, A.G., tekhn.red.; MAKUKHINA, G.P., tekhn.red.

[World atlas] Atlas mira. Moskva, Voen.izd-vo M-va obor. SSSR, 1958. 459 p. (MIRA 11:5)

1. Russia (1923- U.S.S.R.) Armiya. General'nyy shtab. Voenno-topograficheskoye upravleniye. 2. Tekhnicheskaya redaktsiya Voenno-topograficheskogo upravleniya General'nogo Shtaba (for Korolev, Luk'yanov, Romanov, Ivanov, Lyubkov, Knysh, Vasmut) (Atlases)

Ref. 018 V, 1, 6.

Translation from: Referativnyy zhurnal, Geologiyz, 1957, Nr 1,
p 39 (USSR) 15-57-1-270

AUTHORS: Rozova, Ye. A., Korolev, V. G.

TITLE: Seismic Activity in the Region of Mount Frunze
(Seysmichnost' rayona g. Frunze)

PERIODICAL: Izv. AN KirgSSR, Nr 2, pp 45-60

ABSTRACT: Bibliographic entry

Card 1/1

KOROLEV, V.G.

Iate Pre-Cambrian and lower Paleozoic formation in the Tien-Shan
and sedimentary minerals associated with them. Zakon.rasm.
polezn.iskop. 3:88-116 '60. (MIRA 14:11)

1. Institut geologii AN Kirgizskoy SSR.
(Tien-Shan--Minerals)

ADYSHEV, M.M.; MALMURZAYEV, K.Ye.; KOROLEV, V.G.

Stratigraphy of Cambrian and Ordovician sediments in the Sarydzhas
region (central Tien Shan). Mat. po geol. Tian'-Shania no.3:49-
63 '62. (MIRA 16:7)

(Tien Shan--Geology, Stratigraphic)

GALITSKAYA, A.Ya.; KOROLEV, V.G.

Carboniferous of northern Kirghizia. Mat po geol. Tian'-Shania
no.1:43-75 '61. (MIRA 17:2)

KOROLEV, V.G.; RYABOKON', S.A.

Quaternary sediments of the upper Naryn Valley. Mat po geol.
Tian'-Shania no.1:139-154 '61. (MIRA 17:2)

KCROLEV, V.G., *otv. red.*

[New data on the stratigraphy of the Tien Shan] *Novye
dannye po stratigrafii Tian'-Shania.* Frunze, Ilim,
1965. 214 p. (MIRA 18:6)

1. Akademiya nauk Kirgizskoy SSR, Frunze. Institut
geologii.

KOROLEV, V.G.; MISYUS, P.

Types of Lower Paleozoic cross sections in the eastern part
of the Tien Shan. Biul. MOIP. Otd. geol. 40 no.2:73-87
Mr-Ap '65. (MIRA 18:5)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824820003-4"

REBEN, L.M.; KOROLEV, V.G.; KRYLOV, I.N.

Division of the Upper Proterozoic of the Tien Shan. Izv. AN SSSR.
Ser.Geol. 30 no.4:101-115 Ap '65.

1. Geologicheskii institut AN SSSR, Moskva.

(MIRA 18:4)

MAYANSKAYA, K. A.; KOROLEV, V. I.; FAZLULLINA, R. S.

Sedatives in peptic ulcer. Klin. med., Moskva 29 no.7:18-21
July 1951. (CINL 21:1)

1. Kasan!

KOROLEV, V.I.

Using Vitamin B₁ electrophoresis in the compound therapy of gastric and duodenal ulcer. Vop. kur., fizioter. i lech. fiz. kul't. 22
no.1:17-20 Ja-F '57 (MIRA 10:4)

1. Iz Sverdlovskogo nauchno-issledovatel'skogo instituta fizicheskikh metodov lecheniya (dir.-kandidat meditsinskikh nauk N.V. Orlov, nauchnyy rukovoditel' prof. D.G. Shefer)
(PEPTIC ULCER) (THIAMINE) (ELECTROPHORESIS)

KOROLEV, V.I.

MEL'NIK, A.N., KOROLEV, V.I.

Cytological examinations in oncological outpatient clinics and
hospitals. Vrach.delo no.4:431 Ap'58 (MIRA 11:6)

1. Rovenskiy oblastnoy onkologicheskoy dispensar.
(TUMORS)

ZHELEZTSOV, A.D.; BRAILOVSKIY, A.A.; GIL'MAN, A.M.; KOROLEV, V.I.;
RUKAVISHNIKOVA, O.V.

Instrument used for recording trajectory movement. Rech.
transp. 18 no.5:45-46 My '59. (MIRA 12:9)
(Recording instruments) (Aids to navigation)

KOROLEV, V.I.

"Water Resistance in Longitudinal Vessel Pitching contained data which make it possible to calculate vertical and keel pitching resistance of ships on the basis of the flat cross-section hypothesis."

report presented at the 11th Annual Scientific Technical Conference on Ship Theory, organized by the Central Administration of the Scientific-Technical Society of the Shipbuilding Industry, 13-15 December 1960.

KOROLEV, V.I. [Korol'ov, V.I.]

Resistance of water during the heave of the ship. Visti Inst.
gidrol. i gidr. AN URSR 17:66-77 '60. (MIRA 14:8)
(Ship resistance)

KOROLEV, V.I. [Korol'ov, V.I.]

Experimental investigation of bending moments in the body of a
ship in waves. Visti Inst. gidrol. i gidr. AN URSR 17:78-84 '60.
(MIRA 14:8)

(Ships—Hydrodynamics)

KURILEV, VI.

PHASE I BOOK EXPLOITATION

SOV/4531

Akademiya nauk SSSR. Institut mekhaniki

Inzhenernyy sbornik, tom 26 (Engineering Symposium, Vol. 26) Moscow, 1958.
286 p. 2,400 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Otdeleniye tekhnicheskikh nauk.
Institut mekhaniki.

Resp. Ed.: A. A. Il'yushin; Ed.: G. I. Pshenichnov; Tech. Ed.: B. M. Lerman.

PURPOSE: This book is intended for engineers.

COVERAGE: The book contains 29 articles dealing with professional work performed by mechanical engineers, such as the calculations of shells, rods, and plates, and solutions of problems in stress distribution and equilibrium. Oscillations (including flutter) and deformation of shells, equilibrium of shell panels, rods and solids, stability of rods, plates, frames and other members, stress concentration, and bending are discussed. Oscillations of aircraft wings are studied. References accompany each article.

~~Card 1/6~~

BEKAURI, N.V.; KOROLEV, V.I.; STEPCHKINA, N.A.; RUSAKOVA, K.G.

Effect of pilocarpine and atropin on the size of the pupil and
intraocular pressure in rabbits in normal conditions and in disorders
of the innervation of the eye. Fiziol. zhur. 47 no.7:821-825 J1 '61.
(MIRA 15:1)

1. From the Laboratory of Trophic Innervation, I.P.Pavlov Institute
of Physiology, Leningrad.

(ALKALOIDS--PHYSIOLOGICAL EFFECT)

(PUPIL (EYE)) (INTRAOCULAR PRESSURE) (EYE--INNERVATION)

KOROLEV, V.K.

DAVIDENKO, S.A.; VAYS, A.L.; NIKOLENKO, V.P.; KALASHNIKOV, I.P.;
KOROLEV, V.K.; SHILOVTSEVA, L.M., redaktor; MAL'KOVA, N.V.,
tekhnicheskii redaktor.

[Assembly-line secondary servicing of automobiles] Vtoroe
tekhnicheskoe obsluzhivanie avtomobilia na potoke. Moskva,
nauchno-tekhn.izd-vo avtotransp. lit-ry, 1954. 31 p.(MLBA 8:11)
(Automobiles--Repairing)

TO ROLEV VASILY K.
VAYS, Anatoliy Lvovich, NIKOLENKO, Viktor Filippovich; KOROLEV, Vasil'y
Kuz'mich; KALASHNIKOV, Ivan Fedorovich; KISELEVA, V.A., redaktor;
KALAKTIONOVA, Ye.M., tekhnicheskii redaktor

[Dump trucks with dump trailers; the practices of the 5th truck
depot of the Chief Moscow Automobile Transportation Administration]
Samosval'nye avtopoesda; iz opyta 5-i avtobazy Glavmosavtotransa.
Moskva, Nauchno-tekhn. izd-vo avtotransp. lit-ry, 1956. 53 p.
(Truck trailers) (MIRA 10:3)
(Dump trucks)

KOROLEV, V.I.

Role of the motor regions of the cerebral cortex in the compensation of lost functions of the analyzers in monkeys in ontogeny following exclusion of distant receptors and the vestibular apparatus. Nauch.sob. Inst.fiziol. AN SSSR no.3:67-72 '65.

(MIRA 18:5)

1. Laboratoriya sravnitel'noy fiziologii vnutrennikh analizatorov (zav. - E.Sh.Ayrapet'yants) Instituta fiziologii imeni Pavlova AN SSSR.

KOROLEV, V. I.

"Certain Problems of the Theory of Plasticity With Low Hardening." Sub
26 Jun 47, Moscow Order of Lenin State U imeni M. V. Lomonosov

Dissertations presented for degrees in science and engineering in
Moscow in 1947

SO: Sum No. 457. 18 Apr 55

Cand. Physico-math Sci

KOROLEV, V. I.

FD-1507

USSR/Physics - Pipe coupling

Card 1/1 : Pub. 129-10/18

Author : Korolev, V. I.

Title : Design of corrugated extension coupling

Periodical : Vest. Mosk. un., Ser. fizikomat. i yest. nauk, 9, No 6, 81-90, Sep 54

Abstract : Unsealed corrugated extension coupling are discussed. The curvature radius of corrugation is small in comparison with depth, i.e. the pipes are composed of ring-shaped plates continuously connected among themselves by toroidal casings with a small curvature radius as compared to the width of the plate. Three references, tables and graphs.

Institution : Chair of Elasticity Theory, Moscow University

Submitted : March 8, 1954

KOROLEV

V. I.

Distr: UFI

810. Korolev V. I. Thin double-layer plates and shells in Russian), Inzhener. Sbornik, Akad. Nauk, 1972, 22, 98-110, 1972. Layers of uniform thickness are made of different elastic and isotropic materials. Bond at contact surface is perfect, and deformation is continuous across total thickness δ . Usual assumptions ($\delta/R \ll 1$, Kirchhoff's $E_1/E_2 \ll 10-15$, stress across δ negligible) are made.

Strains and curvatures in neutral surface are expressed (first approximation) through curvilinear coordinates. Position of neutral surface is found. Stresses are related to strains (usual two-dimensional) and integrated over δ . Relationships between normal forces and strains, couples and curvatures, respectively, can be reduced to classical form provided "over-all" moduli of elasticity E and of rigidity D , and "over-all" Poisson's ratio μ , are introduced.

Equilibrium equations are set in terms of forces and couples. They do not differ from corresponding equations for thin plates and shells, except that E , D , and μ are replaced by over-all parameters. Thus, known results of classical thin plates and shells theory can be transposed.

In particular, author examines problem of thermal stresses. Again, similarity exists. Also problem for stability analysis, for

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1

1/2

KOROLEV, V. I.

which are listed some known formulas.

In order to check accuracy of this theory, we calculated
for circular plate and cylindrical shell, approximate theories
satisfactory limitation of error.

1/2

KOROLEV, V.I.

Symmetrical shape of strength losses in three-layer plates and shells.
Vest.Mosk.un.11 no.5:3-12 My '56. (MIRA 9:10)

1.Kafedra teorii uprugosti. *Chair of Theory of Elasticity*
(Elastic plates and shells) (Strains and stresses)

24.4200

S/124/62/000/004/028/030
D251/D301

AUTHORS: Korolev, V. I., Smirnov, I. G. and Sokolov, V. N.
TITLE: Investigating the stability of a cylindrical shell
with limited elasticity
PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 4, 1962, 30, ab-
stract 4V212 (Uch. zap. MGU, 1961, no. 193, 22-41)

TEXT: Results are given of the experimental investigation of the
stability of thin cylindrical shells under the action of axial
compression in the presence of a constant internal pressure. 500
mm dia. shells made of 1X18H9T (1Kh18N9T) steel and of AMG-6T
(AMG-6T) aluminum alloy were tested. Thickness of the shell was in
the range 1 - 2.5 mm. The shells were welded from sheets of the
material. A satisfactory agreement between the theoretical and ex-
perimental values of the critical load of the shell was established.
[Abstracter's note: Complete translation.]

Card 1/1

S/258/62/002/001/007/013
1028/1228

AUTHOR: Korolev, V. I., Smirnov, I. G. and Stomma, R. P. (Moscow)
TITLE: Investigation of the stability of bimetallic cylindrical shells in axial pressure beyond the
limits of elasticity

PERIODICAL: Inzhenernyy zhurnal, v. 2, no. 1, 1962, 98-110

TEXT: An approximate method is described for the determination of the critical loading and def or mation,
based on the consideration of local forms of stability only and the exclusion of non-linear forms of stability
only and the exclusion of non-linear forms of stability loss. Bimetallic cylindrical shells, prepared from different
combinations of soft steels 10, 25, 25, high-strength aluminium alloy D16 (D16) and aluminium magnesium alloy
AMG-3 were used. Before assembly, the contact surfaces were covered with bakelite glue; the shells were
tested only after the complete polymerization of the glue. The shells had a wall thickness between 1 and 2.5 mm,
length 150 mm, mean radius 37.5 mm, ratio of working part of the shell to radius 2.14 to 2.91. They were
tested on a machine with hydraulic drive, and the plastic deformations were measured by means of plastic
indicators glued to the shell surface. The load and the deformation were continuously recorded by means of
self-balancing automatic bridges of the type ЭМП-209М1 (EMP-209M1). Twelve monometallic and twenty-one
bimetallic shells were tested in all. The results obtained were compared with the theoretical ones, and were
found to be satisfactory. There are 9 figures and 9 tables.

SUBMITTED: May 22, 1961

Card 1/1

S/879/62/000/000/016/088
D234/D308

AUTHOR: Korólev, V. I. (Moscow)

TITLE: Thin orthotropic three-layer plates and shells with a liquid filler

SOURCE: Teoriya plastin i obolochek; trudy II Vsesoyuznoy konferentsii, L'vov, 15-21 sentyabrya 1961 g. Kiev, Izd-vo AN USSR, 1962, 132-136

TEXT: The author extends his previous results to the orthotropic case. The deformed state is determined by 5 parameters which include two new functions indicating the bending, without taking account of transverse displacements in the filler. The equations of equilibrium are the same as for thin homogeneous shells. Boundary conditions are considered for the case of a rectangular plate without edge forces. Errors are estimated. It is stated in particular that transverse deformations of the filler in thin shells do not affect the deformed and stressed state. Resolvent differential equations are formulated for rectangular plates, circular

Card 1/2

Thin orthotropic three-layer ...

S/879/62/000/000/016/088
D234/D308

plates with axially symmetric deformation and shells of revolution subject to axially symmetric loads. There is 1 figure.

Card 2/2

SILANT'YEV, Anatoliy Ivanovich, inzh.-polkovnik; KOLIN CH, P.D.,
inzh.-kapitan I rangs, red.; KOKOLEV, V.I., inzh.-
major, red.

[Solid rocket propellants] Tverdye raketnye topliva. Moscow, Voenizdat, 1964. 75 p. (MIRA 18:1)

ANZIN, Anatoliy Mefod'yevich; KULINICH, D.D., kapitan I ranga,
red.; KOROLEV, V.I., inzh.-mayor, red.

[The atom as an engine] Atom - dvigatel'. Moskva, Voenizdat,
1964. 76 p. (MIRA 18:2)

L 51454-65 EWT(d)/EPA(s)-2/EWT(m)/EPF(c)/EWA(d)/EWP(w)/EFR/EMP(j)/T-2/ENF(w)/
 EWP(k)/EWA(l) Pc-4/Pf-4/Pr-4/Ps-4/Pt-7/Peb WW/EM/RM
 ACCESSION NR: AP5011322 UR/0258/65/005/002/0306/0315
 539.4.015

AUTHOR: Korolev, V. I. (Moscow)

TITLE: Some problems in selecting the optimal structure of fiberglass reinforced plastics

SOURCE: Inzhenernyy zhurnal, v. 5, no. 2, 1965, 306-315

TOPIC TAGS: reinforced plastic shell, optimal structure calculation, fiber winding pattern, base fiber strength, axisymmetrically loaded shell, fiber property anisotropy, shell carrying capacity, fiberglass reinforced plastic

ABSTRACT: Possible mathematical approaches to selecting the optimal structures of reinforced plastics for cylindrical shells acted on by axisymmetrical loads are discussed. The author writes specific expressions for the optimal winding angles (endless unidirectional, oblique, oblique cross, straight cross winding, etc.) and the critical values of forces acting on variously wound shells subject to external pressure, uniform axial compression or torsion. These are used to define critical force values for each winding angle φ in the range $0 \leq \varphi \leq 90^\circ$, the optimal structure corresponding to a maximum critical force value. The

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ACCESSION NR: AP5011322

formulas can also serve to determine base component layers with optimal anisotropy of elastic properties. Finally, the author relates the carrying capacity of cylindrical shells, produced by endless unidirectional winding of plastics ¹⁵ based on straight or twisted fibers, to the tensile strength of the base fiber and writes the appropriate expressions. Orig. art. has: 6 figures and 44 formulas.

ASSOCIATION: None

SUBMITTED: 09Jul64

ENCL: 00

SUB CODE: ME, MI

NO REF SOV: 002

OTHER: 004

ci:

me
Card 2/2

KOROLEV, V.I., inzh. (Bryansk)

The MPC-1,7 machine for clearing land of bushes. Cidr. 1 mel.
17 no.5:43-45 My '65. (MIRA 18:7)

L 16517-66 EWT(d)/EWT(m)/EWP(w)/EWP(v)/EWP(k)/EWA(h)/ETC(m)-6 LIP(c) WW/EM
 ACC NR: AP6002632 (N) SOURCE CODE: UR/0258/65/005/006/1134/1137

AUTHORS: Korolev, V. I. (Moscow); Smirnov, I. G. (Moscow)

ORG: none

TITLE: The stability of spherical shells beyond the limits of elasticity

SOURCE: Inzhenernyy zhurnal, v. 5, no. 6, 1965, 1134-1137

TOPIC TAGS: shell, shell stability, shell deformation, material strength/ AMG-6 alloy

ABSTRACT: The results of tests performed for the evaluation of the stability of spherical shells are presented. Tests were performed for the purpose of determining the critical value of uniform external pressure on a spherical shell under deformation beyond the elastic limit. The shell specimens were prepared from aluminum-magnesium alloy AMG-6; the specimens were first made as separate hemispherical sections which were later joined. Dimensions and certain characteristics of the specimens are tabulated. The tests were conducted in a specially designed chamber outfitted with a pump for supplying pressure and with appropriate instrumentation and controls. The loss of bearing capacity of a shell was detected visually with

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UDC: 624.074.2

L 16517-66

ACC NR: AP6002632

the appearance of a dent in the shell surface. Failure was also detected on oscillograms recording test pressures. The test results indicate that the critical pressures (in atmospheres) for the shells tested are: shell no. 1 - 145, shell no. 2 - 153, shell no. 3 - 113, and shell no. 4 - 106. These results are analyzed with formulae derived by V. I. Korolev (Vypuchivaniye plastin i obolochek pri plasticheskikh deformatsiyakh. Dokl. na V Vses. konf. po. teorii plastin i obolochek. M., 1965). An equation for finding the critical pressure is developed and applied. Orig. art. has: 3 tables, 3 figures, and 4 equations.

SUB CODE: 20, 13/ SUBM DATE: 21Sep64/ ORIG REF: 004

Card 2/2

L 38275-66 ENT(1)/ENP(m) WH/CD

ACC NR: AT6016728 (N) SOURCE CODE: UR/0000/65/000/000/0150/0156

AUTHOR: Korolev, V. I.

ORG: Institute of Hydromechanics AN UkrSSR (Institut gidromekhaniki AN UkrSSR)

TITLE: Calculation of the stability of the movement of ships on submerged hydrofoils /

SOURCE: AN UkrSSR. Gidrodinamika bol'shikh skorostey (High speed hydrodynamics), no. 1. Kiev, Izd-vo Naukova dumka, 1965, 150-156

TOPIC TAGS: hydrofoil, marine engineering

ABSTRACT: The equations of motion of a ship, with deviations from the equilibrium position, have the following dimensionless form:

$$\begin{aligned} z'' + a_1 z' + a_2 z + a_3 \varphi' + a_4 \varphi &= 0; \\ b_1 z' + b_2 z + \varphi'' + b_3 \varphi' + b_4 \varphi &= 0, \end{aligned} \quad (1)$$

where z , z' , and z'' are the displacements of the ship in a vertical direction and their time derivatives; φ , φ' , φ'' are the angular displacements of the ship relative to its transverse axis, passing through the center of gravity, and their derivatives; a_1 and b_1 are

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L 38275-66

"APPROVED FOR RELEASE: 06/14/2000

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ACC NR: AT6016728

coefficients determining the dynamic properties of the ship, as a vibrating system. The article proceeds to a mathematical treatment of the problem, and then concludes with a sample calculation for an actual 18 ton ship. Orig. art. has: 1 formula and 4 figures.

SUB CODE: 13/ SUBM DATE: 30Sep65/ ORIG REF: 002

Card 2/2 MLP

ACC NR: AT7004012

disregarded. It is shown that the results may be applied to problems in rational selection of elements for the supporting surfaces which give maximum longitudinal static stability as well as for determining the restoring moments for GEM's with given elements and for calculating the restoring moments under various operating conditions. Orig. art. has: 7 figures, 2 tables, 13 formulas.

SUB CODE: 13, 20/ SUBM DATE: None/ ORIG REF: 001

Card 2/2

ACC NR: AT7004013

(N)

SOURCE CODE: UR/3239/66/000/002/0056/0059

AUTHOR: Korolev, V. I.

ORG: None

TITLE: An automatic instrument for monitoring and controlling the load on ships

SOURCE: Nikolayev. Korablestroitel'nyy institut. Sudostroyeniye i morskoye sooruzheniya, no. 2, 1966. Sudostroyeniye (Shipbuilding), 56-59

TOPIC TAGS: automatic control equipment, cargo ship, marine engineering, special purpose computer

ABSTRACT: The author describes an instrument developed at the Institute of Hydromechanics AN UkrSSR under the direction of Academician G. Ye. Pavlenko for monitoring and controlling the load on ships. Operation of the instrument is based on the use of the vector method for determining the state of a ship. The device is basically a special computer which uses input data on the weights and cg coordinates of cargo being loaded to determine the new position of the cg of the ship and its displacement. The resultant data are used for determining the maximum draft of the vessel, its trim, metacentric height, period of natural oscillations during rolling, longitudinal bending moments on quiet water and on a standard wave and also to solve the problem of resistance to capsizing and emergency stability when one or two holds are flooded. These data may also be used in conjunction with simple operations to plot the diagram

Card 1/3

ACC NR: APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824820003-4"

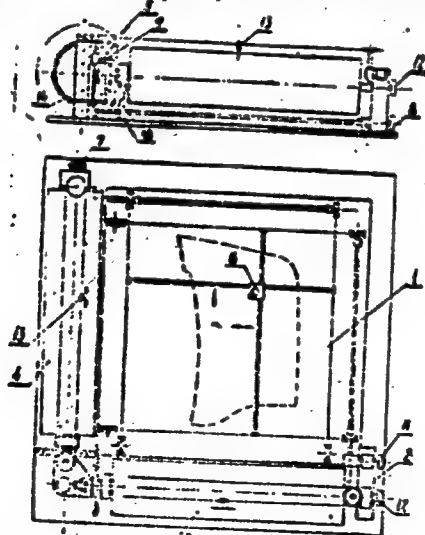


Fig. 1. 1--coordinate device; 2--speed reducer; 3--height drum; 4--trim drum; 5--interlocking and multiplication unit; 6--electric lamp indicator; 7--knob for setting the longitudinal coordinate of the load; 8--knob for setting the vertical coordinate of the load; 9--friction roller; 10--friction disc; 11--knob for small loading scale; 12--knob for large loading scale; 13--scribe; 14--screw which moves the friction roller.

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ACC NR: AM6032828

Monograph

UR/

Korolev, Vasilii Ivanovich

Laminated anisotropic plates and shells made from reinforced plastics (Sloistyie anizotropnyye plastinki i obolochki iz armirovannykh plastmass). Moscow, Izd-vo "Mashinostroyeniye", 1965. 271 p. illus., biblio. Errata slip inserted. 3500 copies printed.

TOPIC TAGS: plastic, laminated plastic, structural plastic, plastic strength, plastic deformation, reinforced plastic

PURPOSE AND COVERAGE: This book is intended for engineering and technical personnel working to develop thin-walled designs from reinforced plastic. In the book are discussed the bases for the technical theory of anisotropic plates and shells made of stiff, reinforced plastic. The solutions to a multiplicity of technical problems most often encountered in engineering practice are obtained, with recommendations for the practical design of resilient parts made from reinforced plastics. Several sections are devoted entirely to problems of selecting the optimal structure of the material. The obtained results hold true for thin, three-layer plates and shells, if the appropriate substitution of the rigidity parameters is made; this represents one of the most practical power systems for designing with reinforced plastics. There are 26 references, all Soviet.

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UDC 678.5-419.8

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SUB CODE: 11, 13, 07/

SUBM DATE: 25Oct65/

ORIG REF: 026/

KOROLEV, V.I. [Korol'ov, V.I.]

Rolling of ships. Visti Inst. hidrol. i hidr. AN URSR 19:28-41 '61.
(MIRA 15:7)

(Ships--Hydrodynamics)

KOROLEV, V.I. [Korol'ov, V.I.]

Greatest added moment tending to cause the sinkage of a vessel. Visti
Inst. hidrol. i hidr. AN URSR 19:42-50 '61. (MIRA 15:7)
(Ships--Hydrodynamics)

28959
S/146/61/004/003/008/013
D217/D301

13.2530

AUTHORS: Korolev, V.I., Makarychev, Yu.K., Mel'nikov, V.A.,
and Permyakov, N.V.

TITLE: An instrument for recording the angles of roll and
pitch angular velocities and accelerations

PERIODICAL: Izvestiya vysshnikh uchebnykh zavedeniy. Priboro-
stroyeniye, v. 4, no. 3, 1961, 75 - 82

TEXT: The author describe an instrument used for registering both
the roll and trim of ship angles. The system consists of a gyro-
scopic element producing the input coordinate angle $\varphi(t)$ connected
to series-connected summing device, amplifier, servomotor, slylus
carriage with the position feedback loop between the slylus carriage
and adder. The sensing element is the vertical reference gyro
АГН-1 (AGI-1) or АК-6М (DK-6M). Linear wire pickups fixed at the
axes of the gimbals serve as transducers. The voltage from the
pick-ups is added to the feedback signal and the signal error is

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An instrument for recording ...

applied to the amplifier. The output of the amplifier feeds the
control winding n_y of a two phase asynchronous motor type ЭМ-1
(EM-1). The output stages is built around tubes types 6П1П (6P1P)
with anodes fed in antiphase from a transformer, whose center top
is connected through the n_y winding of the servo to the cathodes,
so that a pulsating current is produced at the anode load, at a
frequency double that of the supply (400 c/s). The grid winding n_c
of the servo EM-1 connected directly to the supply 115V at 400 c/s
through a phase shifting capacitor c_3 . The a.c. component of the
pulsating current makes the rotor of the servo oscillate at the
frequency of the 1st harmonic and the amplitude of oscillations de-
pends on the relationship between the electromechanical constant
of the servo and the period of the 1st harmonic of pulsating cur-
rent. Thus oscillations result in the linearization of the system
with coulomb friction and backlash in gear and pinion drives. To
obtain signals proportional to the angular velocity of the ship
roll or of the roll of ship models, two stage gyroscopes type

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An instrument for recording ...

ЭН-53 (EUP-53) are used. The zero-set level with input signal equal to zero is obtained by changing the voltage of one of the output valves. The instrument is moduli-built and consists of the following main blocs: 1) Gyroscopic angle pick-up; 2) Gyroscopic velocity pick-up; 3) Amplifiers; 4) Spooling mechanism and time marker; 5) Power supplies. The basic technical specification of the instrument is as follows: 1. Range of frequencies reproduced without distortion for roll and trim 0 to 1.2 c/s; 2. Maximum angles: roll $\pm 40^\circ$; trim $\pm 12^\circ$ (when using DK-6M as sensing elements both angles go up to $\pm 60^\circ$). 3. Maximum stylus deflection; 60 mm for roll and 40 mm for trim. 4. Accuracy of recording on paper tape 10^{-1} . 5. Range of measurements of angular velocities, roll, ships 0-40 deg/sec, models 0-200 deg/sec, trim, ships 0-20 deg/sec, models 0-100 deg/sec. 6. The range of measurements of angular accelerations, roll, ships 0-40 deg/sec², models 0-8000 deg/sec², trim, ships 0-40 deg/sec², models 0-800 deg/sec². 7. Time marker intervals on paper tape 0.5 sec. 1 sec. 2 sec. with accuracy 1 %. 8. Speed of feed of paper tape at recording: 2 mm/sec, 4 mm/sec, 8 mm/sec.

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sec. 9. Power supply d.c. mains 27 V and a.c. mains 127-220 V. 10. Dimensions of the instrument 630 x 420 x 350 mm. 11. Weight without the power supplies does not exceed 20 kg. There are 6 figures and 1 Soviet-bloc reference.

ASSOCIATION: Issledovatel'skiy, fiziko-tekhnicheskiy institut Gor'kovskogo gosudarstvennogo universiteta im. N.I. Lobachevskogo Rekomendivana GIFTL (Physics and Technology Research Institute of the Gor'kiy State University im. L.I. Lobachevskiy. Recommended by GIFTL)

SUBMITTED: December 14, 1960

Card 4/4

KOROLIV, V. K.

Pneumatic cotton dryer and its modification. Trudy Inst.energ.
AN Uz.SSR no.4:22-55 '50. (MLRA 9:11)
(Drying apparatus) (Cotton--Drying)

KOHOLEV, V.K.

Physical nature of the moisture of raw cotton. Trudy Inst.energ.AN
Uz.SSR. no.4:56-82 '50. (MLRA 9:11)
(Moisture) (Cotton--Drying)

KOROLEV, V.K.

Homogram for calculating the moisture content of cotton and cotton
products. Trudy Inst.energ.AN Uz.SSR no.4:100-104 '50. (MLRA 9:11)
(Moisture) (Cotton)

KOROLEV, V.K.

Equilibrium moisture of raw cotton. Izv.AN Uz.SSR no.7:57-66 '56.
(MIRA 14:5)

(Cotton---Moisture)

USSR/Cultivated Plants. Technical Plants. Oil and II
Sugar Bearing Plants.

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68267

Author : ~~Korolev, V. K.~~

Inst : AS Uz SSR.

Title : The Moisture of Raw Cotton as a Factor of
Its Spontaneous Combustion.

Orig Pub : Izv. AN UzSSR, 1956, No 10, 25-33

Abstract : No abstract.

Card : 1/1

115

KOROLEV, V.K.

Industrial checking of the spontaneous heating of raw cotton.

Izv. AN Uz. SSR.Ser.tekh.nauk no.1:35-40 '57.

(MIRA 11:7)

(Cotton--Storage)

KOROLEV, V.K.

Moisture of raw cotton as a factor in spontaneous heating. Izv. AN
Uz. SSR no. 10:25-33 '56. (MIRA 14:5)
(Cotton—Moisture content)

ZORCEV, V.K.

New variation of the J-d diagram for wet air. Trudy VLEI
no.20:62-75 '62. (MIRA 17:8)

KOROLEV, V.K.; RAVICH, M.B., doktor tekhn. nauk, prof., red.

[Humid gas and the I-d diagram; a lecture for students of the Faculty of the Advancement of Postgraduate Engineers specializing in "Steamoperated units and ways toward their improvement" and for 6th year students of the Faculty of Heat Engineering, specializing in "Industrial heat engineering," and studying the subject of "Drying plants"]
Vlzhnyy gaz i I-d diagramma; leksiia dlia slushatelei fakul'teta usovershenstvovaniia diplomirovannykh inzhenerov spetsializatsii "Paroispol'zushchie ustanovki i puti ikh usovershenstvovaniia" i dlia studentov VI kursa teploenergeticheskogo fakul'teta spetsializatsii "Promyshlennaia teploenergetika" pri izuchenii distsipliny "Sushil'nye ustanovki." Moskva, Vses. zaochnyi energeticheskii in-t, 1963. 58 p. (MIRA 18:4)

GOVOROV, M.P., professor; KOROLEV, V.M., aspirant.

Roots of Caucasian Gomphocarpus as medicinal preparation in
intestinal disease of young animals. Veterinariia 30 no.1: 44-45
Ja '53. (MLRA 6:1)

1. Omskiy veterinarnyy institut.

GOVOROV, N.P., professor; KOROL'EV, V.M.

Etiology and therapy of gastrointestinal diseases in young
domestic animals. Veterinariia 32 no.1:42-46 Ja '55.

(MLA 8:2)

1. Omskiy veterinarnyy institut,
(VETERINARY MEDICINE) (ALIMENTARY CANAL--DISEASES)

KOROLEV, V. M.

41396

S/089/62/013/004/003/011
B102/B108

24.6730

AUTHORS:

Voronkov, R. M., Pavzner, M. I., Flerov, H. N., Aref'yev, A. V., Basalayev, M. I., Korolev, V. M., Monkalov, S. S., Osipov, V. P.

TITLE:

30-Mev linear electron accelerator designed for neutron spectroscopy

PERIODICAL:

Atomnaya energiya, v. 13, no. 4, 1962, 327 - 336

TEXT: The accelerator, designed by the Radiotekhnicheskiy institut AN SSSR (Radio Engineering Institute AS USSR) and used for neutron spectroscopy at the Ordona Lenina Institut atomnoy energii im. I. V. Kurchatova AN SSSR (Lenin Order Institute of Atomic Energy imeni I. V. Kurchatov AS USSR), is a traveling-wave accelerator which produces a pulsed electron beam with an energy of 30 Mev and a current of up to 500 ma. It operates on 274 Mc/sec at a pulse repetition frequency of 100 cps and with pulse durations of 0.6, 0.2, or 0.05 μ sec. At the input of the diaphragmed waveguide there is a field of 150 kv/cm. The efficiency of h-f energy conversion is 30-35%. The maximum h-f power for $\lambda = 10.8$ cm is 20 Mw. The diaphragmed waveguide

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